Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002

May 12, 2004
Version 2.0.2

Pennsylvania
New Jersey
Delaware
Maryland

Implementation Guideline

For

Electronic Data Interchange

TRANSACTION SET

867

Historical Usage

Ver/Rel 004010

Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002

Table of Contents

Deleted: 3
Deleted: 5
Deleted: 6
Deleted: 7
Deleted: 8
Deleted: 11
Deleted: 12
Deleted: 13
Deleted: 14
Deleted: 15
Deleted: 16
Deleted: 17
Deleted: 18
Deleted: 19
Deleted: 20
Deleted: 21
Deleted: 23
Deleted: 24
Deleted: 25
Deleted: 26
Deleted: 27
Deleted: 28
Deleted: 29
Deleted: 30
Deleted: 32
Deleted: 33
Deleted: 34
Deleted: 35
Deleted: 36
Deleted: 37
Deleted: 38
Deleted: 39
Deleted: 40
Deleted: 41
Deleted: 42

Summary of Changes

June 29, 1999 Version 1.0	Initial Release. Changes made since last draft: • Changed “EGS” to “ESP” and “EDC” to “LDC” throughout the guideline. Added notes page with “LDC Definitions” and “ESP Definitions”. • Added “How to use the implementation guideline” page. In addition, changed all headers to the true X12 definition. Also corrected the Table on Page 4 to reflect X12 definitions and added the words "X12 Structure” to the title on that page.
July 21, 1999 Version 1.0a	• Added Note for New Jersey to indicate all utilities plan to send summarized data by account (SU loop). No utility plans to send the data by meter (PM loop) • Added note to clarify the utility will send the current transmission obligation and capacity obligation values. Historical Capacity and Transmission obligation is NOT being sent via this transaction. • Corrected words in Example for transmission and capacity obligation. • Added clarifying comment to SU loop to indicate there should be one SU loop for each unit of measurement (applies to all states).
October 1, 1999 Version 1.0c	• Added Delaware Conectiv Information • Moved rules from the data dictionary to the Notes section of the implementation guide. • Clarified the PTD loops to indicate that there must be one loop per unit of measure. • Clarifications to several NJ Use items. • Clarification to examples.
November 4, 1999 Version 1.1	This is a FINAL version for Pennsylvania and New Jersey
December 23, 1999 Draft version 1.1MD1	• Add Maryland use to document – the changes were added to the version 1.1 of the regional standards • Added Data Dictionary • Added Table of Contents
January 17, 2000 Draft version 1.1MD2	Clarified REF*45 only used when LDC sending transaction.
February 24, 2000 Version 1.1MD3	Clarified use of Old Acct Number (REF*45) for MD
March 31, 2000 Version 1.1MD4	• Clarified use of FG loop for MD • Add load profile and LDC rate code to FG loop for MD future use • This transaction is considered FINAL for Maryland
May 14, 2000 Version 1.2	This document is a new finalized version of PA and MD. NJ is still using Version 1.1.
August 11, 2000 Version 1.2a	Indicate PSEG will use the PTD01=PM loop, rather than the PTD01=SU loop.
September 10, 2000 Version 1.3	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware (Conectiv only).
October 19, 2001 Version 1.3rev01	• Incorporate Delaware Electric Coop (DEC) information for Delaware • Incorporate PA Change Control 028 – change REF*11 from optional to conditional if supplier of record is requesting usage
December 13, 2001 Version 1.3rev02	• Incorporate NJ Change Control to allow sending of LDC rate code and LDC load Profile in the “FG” loop. • Incorporate DE Change Control to allow sending of LDC rate code and LDC load Profile in the “FG” loop. Indicate not used by DEC.
January 9, 2002 Version 2.0	This transaction is a new FINAL version for Pennsylvania, New Jersey, Maryland, and Delaware.
December 10, 2003 Version 2.0.1	Incorporate changes for NJ – add TOU values to both PTD*SU and PTD*PM loops. FG loop – make REF*NH required, add optional REF*BF. Add REF*TU to PTD*PM loop.
May 12, 2004 Version 2.0.2	Incorporate changes for PA Change Control 040. This allows TOU information to be provided optionally.

General Notes

Use

- Historical Usage will be provided to an ESP upon Request. The request will be made using the 814E documents.
- Historical Usage can be requested for an entity that is already a customer of the ESP
- Historical Usage can be requested for any customer that has not restricted the release of their historical usage. This is state dependent, some states allow this scenario, others do not.

- The Historical Usage Transaction Set is sent by the LDC only one time per ESP request. No corrections or changes will be transmitted. The Historical Usage data is correct for the point in time that is it requested. Subsequent adjustments to Historical Usage will not be transmitted to the ESP.

- If providing history totalized for an account, use "SU" (Summary) in PTD01, else if providing history by meter, use "PM" (Physical Meter) in PTD01.

LDC Definitions:

The term LDC (Local Distribution Company) in this document refers to the utility. Each state may refer to the utility by a different acronym:

- EDC – Electric Distribution Company (Pennsylvania, Delaware)
- LDC – Local Distribution Company (New Jersey)
- EC – Electric Company (Maryland)

ESP Definitions:

The term ESP (Energy Service Provider) in this document refers to the supplier. Each state may refer to the supplier by a different acronym:

- EGS – Electric Generation Supplier (Pennsylvania)
- TPS – Third Party Supplier (New Jersey)
- ES – Electric Supplier (Delaware)
- ES – Electricity Supplier (Maryland)

How to Use the Implementation Guideline

Segment: **REF** **Reference Identification**
Position: 030
Loop: LIN
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

This section is used to show the X12 Rules for this segment. You must look further into the grayboxes below for State Rules.

Notes:	Recommended by UIG
PA Use:	Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included. Request: Required Accept Response: Required Reject Response: Required
NJ Use:	Same as PA
Example:	REF*12*2931839200

The "Notes:" section generally contains notes by the Utility Industry Group (UIG).

This section is used to show the individual State's Rules for implementation of this segment.

One or more examples.

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**
			12 Billing Account LDC assigned account number for end use customer.	
Must Use	**REF02**	**127**	**Reference Identificatio** Reference information as de for a particular Transaction Set or as specified by th Reference Identification Qualifier	**X AN 1/30**

This column shows the use of each data element. If state rules differ, this will show "Conditional" and the conditions will be explained in the appropriate grayboxes.

These are X12 code descriptions, which often do not relate to the information we are trying to send. Unfortunately, X12 cannot keep up with our code needs so we often change the meanings of existing codes. See graybox for the UIG or state definitions.

This column shows the X12 attributes for each data element. Please refer to Data Dictionary for individual state rules.

M = Mandatory, O= Optional, X = Conditional

AN = Alphanumeric, N# = Decimal value, ID = Identification, R = Real

1/30 = Minimum 1, Maximum 30

Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002

May 12, 2004
Version 2.0.2

867 Historical Usage
X12 Structure

Functional Group ID=PT

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BPT	Beginning Segment for Product Transfer and Resale	M	1		
			LOOP ID - N1			5	
	080	N1	Name	O	1		
	120	REF	Reference Identification	O	12		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PTD			>1	
Must Use	010	PTD	Product Transfer and Resale Detail	M	1		
	030	REF	Reference Identification	O	20		
			LOOP ID - QTY			>1	
	110	QTY	Quantity	O	1		
	160	MEA	Measurements	O	40		
	210	DTM	Date/Time Reference	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	010	CTT	Transaction Totals	O	1		n1
Must Use	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the value of quantities (QTY02) for each QTY segment.

Data Dictionary for 867 Historical Usage

Appl Field	*Field Name*	*Description*	*EDI Element*	*Loop / Related EDI Qualifier*	*Data Type*
1	Purpose Code	Transaction Set Purpose	BPT01 = **52**		X(2)
2	Transaction Reference Number	Unique Number identifying this transaction.	BPT02		X(30)
3	System Date	Date this transaction was generated from sender's system	BPT03		9(8)
4	Report Type Code	Code to identify this transaction contains detailed usage information	BPT04 = **DD**	BPT01 = **52**	X(2)
5	LDC Name	LDC's Name	N102	N1: N101 = **8S**	X(60)
6	LDC Duns	LDC's DUNS Number or DUNS+4 Number	N104	N1: N101 = **8S** N103 = **1** or **9**	X(13)
7	ESP Name	ESP's Name	N102	N1: N101 = **SJ**	X(60)
8	ESP Duns	ESP's DUNS Number or DUNS+4 Number	N104	N1: N101 = **SJ** N103 = **1** or **9**	X(13)
9	Customer Name	Customer Name	N102	N1: N101 = **8R**	X(60)
10	ESP Account Number	ESP Customer Account Number	REF02	N1: N101 = **8R** REF01 = **11**	X(30)
11	LDC Account Number	LDC Customer Account Number	REF02	N1: N101 = **8R** REF01 = **12**	X(30)
12	Old Account Number	Previous LDC Customer Account Number	REF02	N1: N101 = **8R** REF01 = **45**	X(30)
	PTD Loop for Historical Usage that is Summarized/Totalized by Account (PTD01 = SU)				
A PTD Loop will be provided for each type of consumption measured for the overall account (PTD01=SU) or by meter (PTD01 = PM) in addition to the PTD loop that provides Scheduling Determinants when appropriate					
13	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = **SU**		X(2)
14	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD: QTY01 = **QD**	9(15)
15	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03	PTD: QTY01 = **QD**	X(2)
16	Consumption	Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by various factors, excluding Power Factor.	MEA03	MEA02 = **PRQ**	9(9).9(4)
17	Unit of Measure	Unit of measure for readings.	MEA04		X(2)
18	Measurement Significance Code	Code used to benchmark, qualify, or further define a measurement value.	MEA07		X(2)
19	Service Period Start	Start date of the period for which these readings are provided	DTM02	QTY: DTM01 = **150**	X(8)
20	Service Period End	End date of the period for which these readings are provided	DTM02	QTY: DTM01 = **151**	X(8)

Deleted: 16

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Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002

PTD Loop for Historical Usage that is provided by Meter (PTD01 = PM)

A PTD Loop will be provided for each type of consumption measured for the overall account (PTD01=SU) or by meter (PTD01 = PM) in addition to the PTD loop that provides Scheduling Determinants when appropriate

21	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = **PM**		X(2)
22	Meter Number	Serial number of this specific meter (may have multiple meters)	REF02	PTD: REF01 = **MG**	X(30)
23	Meter Type	Code indicating type of consumption measured & interval at which measurements are taken.	REF02	PTD: REF01 = **MT**	X(5)
24	Type of metering used for billing	Indicates the type of metering information that will be sent on the 867 transaction.	REF02= **41** (on peak) **42** (off peak) **43** (intermediate) or **51** (totalizer)	NM1: REF01 = **TU** REF03 = Meter Type (See REF*MT)	X(2)
25	Quantity Delivered	Represents quantity of consumption delivered for billing period.	QTY02	PTD: QTY01 = **QD**	9(15)
26	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03	PTD: QTY01 = **QD**	X(2)
27	Consumption	Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by various factors, excluding Power Factor.	MEA03	MEA02 = **PRQ**	9(9).9(4)
28	Unit of Measure	Unit of measure for readings.	MEA04		X(2)
29	Measurement Significance Code	Code used to benchmark, qualify, or further define a measurement value.	MEA07		X(2)
30	Service Period Start	Start date of the period for which these readings are provided	DTM02	QTY: DTM01 = **150**	X(8)
31	Service Period End	End date of the period for which these readings are provided	DTM02	QTY: DTM01 = **151**	X(8)

PTD Loop for Scheduling Determinants (PTD01 = FG)

This PTD provides Scheduling Determinants when appropriate

32	Loop Identification	Indicates if usage is provided totalized or by meter.	PTD01 = **FG**		X(2)
33	Profile Group	A code for the Load Profile used for this customer. Differs by LDC. Codes posted on LDC's Web site.	REF02	PTD: REF01= **LO**	X(30)
34	LDC Rate Code	Code indicating the rate a customer is being charged by LDC per tariff. Codes posted on LDC's Web site	REF02	PTD: REF01= **NH**	X(30)
35	LDC Billing Cycle	LDC Cycle on which the bill will be rendered	REF02	PTD: REF01= **BF**	X(2)

Deleted: 18
Deleted: 19
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36	Capacity Obligation (a.k.a Load Responsibility)	Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM Peak).	QTY02	PTD: QTY01 = **KC**	9(15)
37	Unit of Measure	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03 = **K1**	PTD: QTY01 = **QD**	X(2)
38	Transmission Obligation	Customer's peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak).	QTY02	PTD: QTY01 = **KZ**	9(15)
39	Quantity Delivered Unit of Measurement	Indicates unit of measurement for quantity of consumption delivered during billing period.	QTY03 = **K1**	PTD: QTY01 = **QD**	X(2)

Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002
Deleted: 28
Deleted: 29
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Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	ST*867*000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 867 Product Transfer and Resale Report	**M ID 3/3**
Must Use	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Segment: **BPT** **Beginning Segment for Product Transfer and Resale**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Product Transfer and Resale Report Transaction Set and transmit identifying data
Syntax Notes: **1** If either BPT05 or BPT06 is present, then the other is required.
Semantic Notes: **1** BPT02 identifies the transfer/resale number.
2 BPT03 identifies the transfer/resale date.
3 BPT08 identifies the transfer/resale time.
4 BPT09 is used when it is necessary to reference a Previous Report Number.
Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	BPT*52*1999070112300001*19990701*DD

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**BPT01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set	**M**	**ID 2/2**
			52 Response to Historical Inquiry Response to a request for historical meter reading.		
Must Use	**BPT02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**O**	**AN 1/30**
			A unique transaction identification number assigned by the originator of this transaction. This number should be unique over all time.		
Must Use	**BPT03**	**373**	**Date** Date (CCYYMMDD)	**M**	**DT 8/8**
			The transaction creation date – the date that the data was processed by the application system.		
Must Use	**BPT04**	**755**	**Report Type Code** Code indicating the title or contents of a document, report or supporting item	**O**	**ID 2/2**
			DD Distributor Inventory Report Usage		

Segment: **N1** **Name (8S=LDC Name)**
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*8S*LDC COMPANY*1*007909411

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) LDC	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name LDC Company Name	**X AN 1/60**
Must Use	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code LDC D-U-N-S Number or D-U-N-S + 4 Number	**X AN 2/20**

Segment: **N1** **Name (SJ=ESP Name)**
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*SJ*ESP COMPANY*9*007909422ESP1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider ESP	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name ESP Company Name	**X AN 1/60**
Must Use	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	**X ID 1/2**
Must Use	**N104**	**67**	**Identification Code** Code identifying a party or other code ESP D-U-N-S Number or D-U-N-S + 4 Number	**X AN 2/20**

Segment: **N1** **Name (8R=Customer Name)**
Position: 080
Loop: N1
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	N1*8R*JANE DOE

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 8R Consumer Service Provider (CSP) Customer End Use Customer	**M ID 2/3**
Must Use	**N102**	**93**	**Name** Free-form name Customer Name as it appears on the customer's bill	**X AN 1/60**

Segment: **REF** **Reference Identification (11=ESP Account Number)**
Position: 120
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Conditional: Required if it was previously provided on an 814 to the LDC and the ESP is the supplier of record.
NJ Use:	Optional if it was previously provided on an 814 to the LDC and the ESP is the supplier of record. **Note**: In New Jersey, Conectiv, GPU and PSE&G will store ESP account number and will be required to send it if it was previously provided to the LDC. Rockland Electric will not be storing ESP account number, and will never send it. Conectiv will only be storing 20 characters.
DE Use:	Conditional: Required if it was previously provided on an 814 to the LDC and the ESP is the supplier of record. **Note:** Conectiv will only be storing 20 characters. DEC will store 30 characters.
MD Use:	Optional if it was previously provided on an 814 to the LDC and the ESP is the supplier of record. Conectiv will only be storing 20 characters, all other utilities 30 characters.
Example:	REF*11*8645835

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 11 Account Number ESP-assigned account number for end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **REF** **Reference Identification (12=LDC Account Number)**
Position: 120
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Required - Must be identical to account number as it appears on the customer's bill, excluding punctuation (spaces, dashes, etc.). Significant leading and trailing zeros must be included.
NJ Use:	Same as PA
DE Use:	Same as PA
MD Use:	Same as PA
Example:	REF*12*519703123457

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 12 Billing Account LDC-assigned account number for end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **REF** **Reference Identification (45=LDC Old Account Number)**
Position: 120
Loop: N1
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C05005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Required if account number changed in the last 60 days. **Note:** Only used when LDC is sending this transaction.
NJ Use:	Same as PA **Note:** PSE&G will not provide old LDC Account Number.
DE Use:	Not Used
MD Use:	Not Used by BGE, PEPCO, or Conectiv. APS: Required if the account number has changed in the last 60 days.
Example:	REF*45*451105687500

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 45 Old Account Number LDC's previous account number for the end use customer.	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **PTD** **Product Transfer and Resale Detail (SU=Summary)**
Position: 010
Loop: PTD
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:

PA Use:	Required if providing Historical Usage summarized/totalized by account. There must be one loop for each unit of measurement.
NJ Use:	Same as PA **Note:** PSEG will not use this loop, PSEG will be sending data by meter so they will use a PTD01=PM loop.
DE Use:	Same as PA
MD Use:	Same as PA
Examples:	PTD*SU

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer	**M ID 2/2**
			SU Summary Consumption Summarized/Totalized for Account by unit of measure.	

Segment: **QTY** **Quantity**
Position: 110
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Notes:	Each QTY/MEA/DTM loop conveys consumption information about one metering period.
PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	QTY*QD*5210*KH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity QD Quantity Delivered	**M ID 2/2**
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
Must Use	**QTY03**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand (KW) Represents potential power load measured at predetermined intervals K2 Kilovolt Amperes Reactive Demand (KVAR) Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter K3 Kilovolt Amperes Reactive Hour (KVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters KH Kilowatt Hour (KWH)	**M ID 2/2**

Segment: **MEA** **Measurements**
Position: 160
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes: **1** At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes: **1** MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments: **1** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes:	The MEA segment is sent for each QTY loop. The MEA will indicate the "time of use" that applies to the QTY. If meter readings are included in the MEA, they will indicate the "time of use" that the meter readings apply to.
PA Use:	Optional field for time of use other than totalizer (MEA07=51). Optional for time of use equal to totalizer (MEA07=51) if that is the only time of use on the account.
NJ Use:	Must use for time of use other than totalizer (MEA07=51). Optional for time of use equal to totalizer (MEA07=51) if that is the only time of use on the account.
DE Use:	Not Used
MD Use:	Not Used
Examples:	MEA**PRQ*14*K1***51 (If meter measures multiple things, you need to send multiple QTY loops, one for each unit of measurement).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies	**O**	**ID 1/3**
			PRQ Consumption		
Must Use	**MEA03**	**739**	**Measurement Value** The value of the measurement	**X**	**R 1/20**
			Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by various factors, excluding Power Factor.		
Must Use	**MEA04**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M**	**ID 2/2**
			K1 Kilowatt Demand		
			Represents potential power load measured at predetermined intervals		
			K2 Kilovolt Amperes Reactive Demand		
			Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter		
			K3 Kilovolt Amperes Reactive Hour		

			Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters		
		K4	Kilovolt Amperes (KVA)		
		K5	Kilovolt Amperes Reactive		
		KH	Kilowatt Hour		
Must Use	**MEA07**	**935**	**Measurement Significance Code**	**O**	**ID 2/2**
			Code used to benchmark, qualify or further define a measurement value		
		41	Off Peak		
		42	On Peak		
		43	Intermediate		
		51	Total		
			Totalizer		
		66	Shoulder		

Deleted: IG867HUv2-0-2D
Deleted: IG867HUv2-0
Inserted: IG867HUv2-0-2D
Deleted: January 9, 2002
Deleted: ¶

Segment: **DTM** **Date/Time Reference (150=Service Period Date)**
Position: 210
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	DTM*150*19990630

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 150 Service Period Start	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **DTM** **Date/Time Reference (151=Service Period Date)**
Position: 210
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	DTM*151*19990701

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 151 Service Period End	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **PTD** **Product Transfer and Resale Detail (PM=Meter Detail)**
Position: 010
Loop: PTD
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:

Notes:	This PTD Loop will be used when providing Historical Usage by meter. There must be one loop for each unit of measurement for each meter.
PA Use:	Required
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used. **Note:** Only PSEG is using this loop.
DE Use:	Not Used
MD Use:	Not Used
Examples:	PTD*PM

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer	**M ID 2/2**
			PM Physical Meter Information Consumption Provided by Meter by unit of measure.	

Segment: **REF** **Reference Identification (MG=Meter Number)**
Position: 030
Loop: PTD
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Required
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used.
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*MG*87876567

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification MG Meter Number Meter ID Serial Number	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **REF** **Reference Identification (MT=Meter Type)**
Position: 030
Loop: PTD
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C05005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Optional
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used.
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*MT*KHMON

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**
			MT Meter Type	
			Billing Data Types and Interval Frequencies	
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**
			When REF01 is MT, the meter type is expressed as a five-character field. The first two characters are the type of consumption, the last three characters are the metering interval. "COMBO" is used for a meter that records more than one measurement. Valid values can be a combination of the following values:	

Type of Consumption

K1	Kilowatt Demand
K2	Kilovolt Amperes Reactive Demand
K3	Kilovolt Amperes Reactive Hour
K4	Kilovolt Amperes
K5	Kilovolt Amperes Reactive
KH	Kilowatt Hour
T9	Thousand Kilowatt Hours

Metering Interval

Nnn	Number of minutes from 001 to 999
ANN	Annual
BIA	Bi-annual
BIM	Bi-monthly
DAY	Daily
MON	Monthly
QTR	Quarterly

For Example:

KHMON	Kilowatt Hours Per Month
K1015	Kilowatt Demand per 15 minute interval

Other Valid Codes

COMBO This code is used to indicate that the meter has multiple measurements, e.g., one meter that measures both kWh and Demand.

Segment: **REF** **Reference Identification (TU=Type of Metering)**

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Position:	030
Loop:	PTD
Level:	Detail
Usage:	Optional
Max Use:	20
Purpose:	To specify identifying information
Syntax Notes:	**1** At least one of REF02 or REF03 is required. **2** If either C04003 or C04004 is present, then the other is required. **3** If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	**1** REF04 contains data relating to the value cited in REF02.
Comments:	
PA Use:	Not Used
NJ Use:	Optional. Used by PSE&G
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*TU*41*K1MON REF*TU*42*K1MON Multiple TU's will usually be sent on each 867!!! REF*TU*51*K1MON

Data Element Summary

	Ref. Des.	Data Element	Name	X12	Attributes
Must Use	REF01	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M	ID 2/3
			TU Trial Location Code Used to indicate the type of metering information that will be sent on the 867 transaction.		
Must Use	REF02	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
			41 Off Peak 42 On Peak 43 Intermediate 51 Totalizer		
Must Use	REF03	352	**Description** A free-form description to clarify the related data elements and their content	X	AN 1/80
			Meter Type (see REF*MT for valid codes). "COMBO" is not a valid code for this element.		

Segment: **QTY** **Quantity**
Position: 110
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Notes:	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
PA Use:	Required
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used.
DE Use:	Not Used
MD Use:	Not Used
Example:	QTY*QD*5210*KH

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity QD Quantity Delivered	**M ID 2/2**
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
Must Use	**QTY03**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken K1 Kilowatt Demand (KW) Represents potential power load measured at predetermined intervals K2 Kilovolt Amperes Reactive Demand (KVAR) Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter K3 Kilovolt Amperes Reactive Hour (KVARH) Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters KH Kilowatt Hour (KWH)	**M ID 2/2**

Segment: **MEA** **Measurements**
Position: 160
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes: **1** At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2 If MEA05 is present, then MEA04 is required.
3 If MEA06 is present, then MEA04 is required.
4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
5 Only one of MEA08 or MEA03 may be present.
Semantic Notes: **1** MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments: **1** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes:	The MEA segment is sent for each QTY loop. The MEA will indicate the "time of use" that applies to the QTY. If meter readings are included in the MEA, they will indicate the "time of use" that the meter readings apply to.
PA Use:	Not Used
NJ Use:	Must use for time of use other than totalizer (MEA07=51). Optional for time of use equal to totalizer (MEA07=51) if that is the only time of use on the account.
DE Use:	Not Used
MD Use:	Not Used
Examples:	MEA**PRQ*14*K1***51 (If meter measures multiple things, you need to send multiple QTY loops, one for each unit of measurement).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**MEA02**	**738**	**Measurement Qualifier** Code identifying a specific product or process characteristic to which a measurement applies	**O** **ID 1/3**
			PRQ Consumption	
Must Use	**MEA03**	**739**	**Measurement Value** The value of the measurement	**X** **R 1/20**
			Represents quantity of consumption delivered for service period. Contains the difference in the meter readings (or as measured by the meter) multiplied by various factors, excluding Power Factor.	
Must Use	**MEA04**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M** **ID 2/2**
			K1 Kilowatt Demand	
			Represents potential power load measured at predetermined intervals	
			K2 Kilovolt Amperes Reactive Demand	
			Reactive power that must be supplied for specific types of customer's equipment; billable when kilowatt demand usage meets or exceeds a defined parameter	
			K3 Kilovolt Amperes Reactive Hour	
			Represents actual electricity equivalent to kilowatt hours; billable when usage meets or exceeds defined parameters	

			K4	Kilovolt Amperes (KVA)		
			K5	Kilovolt Amperes Reactive		
			KH	Kilowatt Hour		
Must Use	**MEA07**	**935**	**Measurement Significance Code**		**O**	**ID 2/2**
			Code used to benchmark, qualify or further define a measurement value			
			41	Off Peak		
			42	On Peak		
			43	Intermediate		
			51	Total		
				Totalizer		
			66	Shoulder		

Segment: **DTM** **Date/Time Reference (150=Service Period Start)**
Position: 210
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

PA Use:	Required
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used.
DE Use:	Not Used
MD Use:	Not Used
Example:	DTM*150*19990630

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 150 Service Period Start	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **DTM** **Date/Time Reference (151=Service Period End)**
Position: 210
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

PA Use:	Required
NJ Use:	Required if providing Historical Usage by Meter; otherwise, not used.
DE Use:	Not Used
MD Use:	Not Used
Example:	DTM*151*19990701

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 151 Service Period End	**M ID 3/3**
Must Use	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD	**X DT 8/8**

Segment: **PTD** **Product Transfer and Resale Detail (FG=Scheduling Determinants)**
Position: 010
Loop: PTD
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of detail information relating to the transfer/resale of a product and provide identifying data
Syntax Notes: **1** If either PTD02 or PTD03 is present, then the other is required.
2 If either PTD04 or PTD05 is present, then the other is required.
Semantic Notes:
Comments:

Notes:	This PTD Loop will be used to provide Scheduling Determinants, such as the Capacity Obligation (a.k.a. Load Responsibility) and Transmission Obligation for PJM customers.
PA Use:	Optional for PJM Customers
NJ Use:	Required for PJM Customers
DE Use:	Same as NJ
MD Use:	Optional As of market opening, Conectiv and PEPCO plan to provide this loop (capacity - QTY*KC and transmission obligations - QTY*KZ only).
Examples:	PTD*FG

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PTD01**	**521**	**Product Transfer Type Code** Code identifying the type of product transfer	**M ID 2/2**
			FG Flowing Gas Information Scheduling Determinants: This loop will provide information required by PJM.	

Segment: **REF** **Reference Identification (LO=Load Profile)**
Position: 030
Loop: PTD
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.

Comments:

PA Use:	Optional
NJ Use:	Optional. Conectiv and JCP&L will provide.
DE Use:	Optional. Not supported by DEC
MD Use:	Optional **Note:** This requirement is being defined as of March 2000. Utilities may optionally provide this information. It is anticipated that it will become a required field at some future date.
Example:	REF*LO*GS

Deleted: Not Used

Data Element Summary

	Ref. Des.	Data Element	Name	X12 Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**
			LO Load Planning Number Load profile	
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **REF** **Reference Identification (NH=LDC Rate Class)**
Position: 030
Loop: PTD
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Optional
NJ Use:	Required
DE Use:	Optional. Not supported by DEC.
MD Use:	Optional **Note:** This requirement is being defined as of March 2000. Utilities may optionally provide this information. It is anticipated that it will become a required field at some future date.
Example:	REF*NH*GS1

Deleted: Not Used
Deleted: Optional

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification NH LDC Rate Code	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X AN 1/30**

Segment: **REF** **Reference Identification (BF=LDC Bill Cycle)**
Position: 030
Loop: PTD
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C05005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:

PA Use:	Optional.
NJ Use:	Optional. Conectiv and JCP&L will provide.
DE Use:	Not Used
MD Use:	Not Used
Example:	REF*BF*15

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification BF LDC Bill Cycle	**M**	**ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**

Segment: **QTY** **Quantity (KC=Capacity Obligation-aka Load Responsibility)**
Position: 110
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Notes:	Each QTY/MEA/DTM loop conveys consumption information about one metering period.
PA Use:	Optional
NJ Use:	Required. This will be the Capacity Obligation in effect when the transaction is requested.
DE Use:	Same as NJ
MD Use:	Optional As of market opening, Conectiv and PEPCO plan to provide this QTY segment.
Example:	QTY*KC*752*K1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity	**M ID 2/2**
			KC Net Quantity Decrease Capacity Obligation, a.k.a., Load Responsibility: Peak load contributions provided to PJM for Installed Capacity calculation (coincident with PJM Peak).	
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
Must Use	**QTY03**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M ID 2/2**
			K1 Kilowatt Demand Represents potential power load measured at predetermined intervals	

Segment: **QTY** **Quantity (KZ=Transmission Obligation)**
Position: 110
Loop: QTY
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:

Notes:	Each QTY/MEA/DTM loop conveys consumption information about one metering interval.
PA Use:	Optional
NJ Use:	Required. This will be the Transmission Obligation in effect when the transaction is requested.
DE Use:	Same as NJ
MD Use:	Optional As of market opening, Conectiv and PEPCO plan to provide this QTY segment.
Example:	QTY*KZ*752*K1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity	**M ID 2/2**
			KZ Corrective Action Requests - Written Transmission Obligation: Customer's peak load contribution provided to PJM for the Transmission Service calculation (coincident with LDC peak).	
Must Use	**QTY02**	**380**	**Quantity** Numeric value of quantity	**X R 1/15**
Must Use	**QTY03**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M ID 2/2**
			K1 Kilowatt Demand Represents potential power load measured at predetermined intervals	

Segment: **SE** **Transaction Set Trailer**
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.

PA Use:	Required
NJ Use:	Required
DE Use:	Required
MD Use:	Required
Example:	SE*23*000000001

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
Must Use	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M AN 4/9**

Example: Historical Usage Summarized by Account

Heading:

BPT*52*1999070112300001*19990701*DD	Transaction Set Purpose Code: **52**, *Response to Historical Inquiry* Reference Identification: **1999070112300001,** Transaction Date: **19990701,** Report Type Code: **DD**, *Usage*
N1*8S*LDC COMPANY*1*007909411	LDC Company
N1*SJ*ESP COMPANY*9*007909422ESP1	ESP Company
N1*8R*JANE DOE	Customer name
REF*11*8645835	ESP Account Number
REF*12*519703123457	LDC Account Number
REF*45*451105687500	Old LDC Account Number

Detail:

Segment Contents	**Element Description**
PTD*SU	Summary Loop for kwh
QTY*QD*5210*KH	Quantity (kwh)
DTM*150*19990529	Service Period Start
DTM*151*19990630	Service Period End
QTY*QD*5210*KH	Quantity (kwh)
DTM*150*19990427	Service Period Start
DTM*151*19990529	Service Period End
QTY*QD*4850*KH	Quantity (kwh)
DTM*150*19990327	Service Period Start
DTM*151*19990427	Service Period End

PTD*SU	Summary loop for Demand
QTY*QD*21*K1	Quantity (Demand)
DTM*150*19990529	Service Period Start
DTM*151*19990630	Service Period End
QTY*QD*19*K1	Quantity (Demand)
DTM*150*19990427	Service Period Start
DTM*151*19990529	Service Period End
QTY*QD*23*K1	Quantity (Demand)
DTM*150*19990327	Service Period Start
DTM*151*19990427	Service Period End

PTD*FG	Scheduling Determinants Loop
REF*LO*RS	Load Profile
REF*NH*RESNH	LDC Rate Code
QTY*KC*752*K1	Capacity Obligation
QTY*KZ*752*K1	Transmission Obligation

Example: Historical Usage Summarized by Meter

Heading:

BPT*52*1999070112300001*19990701*DD	Transaction Set Purpose Code: **52**, *Response to Historical Inquiry* Reference Identification: **1999070112300001,** Transaction Date: **19990701,** Report Type Code: **DD**, *Usage*
N1*8S*LDC COMPANY*1*007909411	LDC Company
N1*SJ*ESP COMPANY*9*007909422ESP1	ESP Company
N1*8R*JANE DOE	Customer name
REF*11*8645835	ESP Account Number
REF*12*519703123457	LDC Account Number
REF*45*451105687500	Old LDC Account Number

Detail:

Segment Contents	**Element Description**
PTD*PM	Summary Loop for kwh
REF*MG*M1234567	Meter Number
REF*MT*KHMON	Meter Type
REF*TU*42*KHMON	TOU Value
QTY*QD*5210*KH	Quantity (kwh)
MEA**PRQ*5210*KH***42	TOU indicator
DTM*150*19990529	Service Period Start
DTM*151*19990630	Service Period End
QTY*QD*5210*KH	Quantity (kwh)
MEA**PRQ*5210*KH***42	TOU indicator
DTM*150*19990427	Service Period Start
DTM*151*19990529	Service Period End
QTY*QD*4850*KH	Quantity (kwh)
MEA**PRQ*4850*KH***42	TOU indicator
DTM*150*19990327	Service Period Start
DTM*151*19990427	Service Period End

PTD*SU	Summary loop for Demand
REF*MG*M8884567	Meter Number
REF*MT*K1MON	Meter Type
REF*TU*42*K1MON	TOU Value
QTY*QD*21*K1	Quantity (Demand)
MEA**PRQ*21*K1***42	TOU indicator
DTM*150*19990529	Service Period Start
DTM*151*19990630	Service Period End
QTY*QD*19*K1	Quantity (Demand)
MEA**PRQ*19*K1***42	TOU indicator
DTM*150*19990427	Service Period Start
DTM*151*19990529	Service Period End
QTY*QD*23*K1	Quantity (Demand)
MEA**PRQ*23*K1***42	TOU indicator
DTM*150*19990327	Service Period Start
DTM*151*19990427	Service Period End

PTD*FG	Scheduling Determinants Loop
REF*LO*RS	Load Profile
REF*NH*RESNH	LDC Rate Code
QTY*KC*752*K1	Capacity Obligation

QTY*KZ*752*K1	Transmission Obligation